

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

MISSOURI CLEAN WATER COMMISSION



MISSOURI STATE OPERATING PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended,

Permit No. MO-0127132

Owner: S-S-S Incorporated
Address: PO Box 474, Louisiana, MO 63353

Continuing Authority: Same as above
Address: Same as above

Facility Name: S-S-S Incorporated
Facility Address: Highway 79 South, Louisiana, MO 63353

Legal Description: See pages 2-3
Latitude/Longitude: See pages 2-3

Receiving Stream: See pages 2-3
First Classified Stream and ID: See pages 2-3
USGS Basin & Sub-watershed No.: See pages 2-3

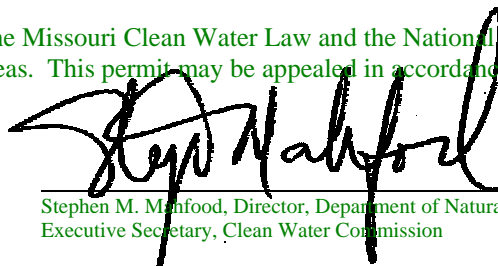
is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

FACILITY DESCRIPTION

Outfalls #001 - #013 - Industry - SIC #1422/2819/2873/4491/5032/5171/7542
Storm water runoff only.
Total design flow is greater than 1 MGD.

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

October 19, 2001 September 5, 2003
Effective Date Revised Date


Stephen M. Mahfood, Director, Department of Natural Resources
Executive Secretary, Clean Water Commission

October 18, 2006
Expiration Date
MO 780-0041 (10-93)

G. Irene Crawford, Director, Northeast Regional Office

Outfall #001

Legal Description: NW ¼, SE ¼, Sec. 20, T54N, R1W, Pike County
Latitude/Longitude: +3926088/-09101474
Receiving Stream: Unnamed Tributary to Mississippi River (P)
First Classified Stream and ID: Mississippi River (P)(00001)
USGS Basin & Sub-watershed No.: (07110004-110002)

Outfall #002

Legal Description: NW ¼, SE ¼, Sec. 20, T54N, R1W, Pike County
Latitude/Longitude: +3926134/-09101490
Receiving Stream: Unnamed Tributary to Mississippi River (P)
First Classified Stream and ID: Mississippi River (P)(00001)
USGS Basin & Sub-watershed No.: (07110004-110002)

Outfall #003

Legal Description: SW ¼, NE ¼, Sec. 20, T54N, R1W, Pike County
Latitude/Longitude: +3926143/-09101496
Receiving Stream: Unnamed Tributary to Mississippi River (P)
First Classified Stream and ID: Mississippi River (P)(00001)
USGS Basin & Sub-watershed No.: (07110004-110002)

Outfall #004

Legal Description: SW ¼, NE ¼, Sec. 20, T54N, R1W, Pike County
Latitude/Longitude: +3926161/-09101513
Receiving Stream: Unnamed Tributary to Mississippi River (P)
First Classified Stream and ID: Mississippi River (P)(00001)
USGS Basin & Sub-watershed No.: (07110004-110002)

Outfall #005

Legal Description: SW ¼, NE ¼, Sec. 20, T54N, R1W, Pike County
Latitude/Longitude: +3926188/-09101540
Receiving Stream: Unnamed Tributary to Mississippi River (P)
First Classified Stream and ID: Mississippi River (P)(00001)
USGS Basin & Sub-watershed No.: (07110004-110002)

Outfall #006

Legal Description: SW ¼, NE ¼, Sec. 20, T54N, R1W, Pike County
Latitude/Longitude: +3926197/-09101546
Receiving Stream: Unnamed Tributary to Mississippi River (P)
First Classified Stream and ID: Mississippi River (P)(00001)
USGS Basin & Sub-watershed No.: (07110004-110002)

Outfall #007

Legal Description: SW ¼, NE ¼, Sec. 20, T54N, R1W, Pike County
Latitude/Longitude: +3926222/-09101569
Receiving Stream: Unnamed Tributary to Mississippi River (P)
First Classified Stream and ID: Mississippi River (P)(00001)
USGS Basin & Sub-watershed No.: (07110004-110002)

Outfall #008

Legal Description: NW ¼, SE ¼, Sec. 20, T54N, R1W, Pike County
Latitude/Longitude: +3926144/-09101563
Receiving Stream: Unnamed Tributary to Mississippi River (P)
First Classified Stream and ID: Mississippi River (P)(00001)
USGS Basin & Sub-watershed No.: (07110004-110002)

Outfall #009

Legal Description: SW ¼, NE ¼, Sec. 20, T54N, R1W, Pike County
Latitude/Longitude: +3926211/-09102040
Receiving Stream: Unnamed Tributary to Mississippi River (P)
First Classified Stream and ID: Mississippi River (P)(00001)
USGS Basin & Sub-watershed No.: (07110004-110002)

Outfall #010

Legal Description: NW ¼, SW ¼, Sec. 20, T54N, R1W, Pike County
Latitude/Longitude: +3926145/-09102328
Receiving Stream: Unnamed Tributary to Mississippi River (P)
First Classified Stream and ID: Noix Creek (P)(00011)
USGS Basin & Sub-watershed No.: (07110004-110001)

Outfall #011

Legal Description: NE ¼, SW ¼, Sec. 20, T54N, R1W, Pike County
Latitude/Longitude: +3926060/-09102168
Receiving Stream: Unnamed Tributary to Mississippi River (P)
First Classified Stream and ID: Mississippi River (P)(00001)
USGS Basin & Sub-watershed No.: (07110004-110002)

Outfall #012

Legal Description: SW ¼, NE ¼, Sec. 19, T54N, R1W, Pike County
Latitude/Longitude: +3926261/-09103009
Receiving Stream: Unnamed Tributary to Mississippi River (P)
First Classified Stream and ID: Noix Creek (P)(00011)
USGS Basin & Sub-watershed No.: (07110004-110001)

Outfall #013

Legal Description: NW ¼, NW ¼, Sec. 20, T54N, R1W, Pike County
Latitude/Longitude: +3926284/-09102324
Receiving Stream: Unnamed Tributary to Mississippi River (P)
First Classified Stream and ID: Noix Creek (P)(00011)
USGS Basin & Sub-watershed No.: (07110004-110001)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS					PAGE NUMBER 4 of 10	
					PERMIT NUMBER MO-0127132	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT TYPE	SAMPLE FREQUENCY
Dry Weather Flows*** (Note 1)						
Flow	MGD	*		*	twice/year at time of sampling	24 hr. estimate
Settleable Solids****	ml/l/hr	1.5		1.0	twice/year	grab
Total Suspended Solids	mg/l	70		50	twice/year	grab
Chemical Oxygen Demand	mg/l	120		90	twice/year	grab
Ammonia as N	mg/l	10.0		0.9	twice/year	grab
Biological Oxygen Demand	mg/l	*		*	twice/year	grab
Nitrate as N	mg/l	15.0		10.0	twice/year	grab
Total Nitrogen (Kjeldahl)	mg/l	*		*	twice/year	grab
Total Phosphorus	mg/l	1.0		1.0	twice/year	grab
Hexane	mg/l	*		*	twice/year	grab
Aluminum	mg/l	0.75		0.75	twice/year	grab
Magnesium	mg/l	*		*	twice/year	grab
Oil and Grease	mg/l	15		10	twice/year	grab
pH - Units	SU	**		**	twice/year	grab
Total Petroleum Hydrocarbons	mg/l	15		10	twice/year	grab
Conductivity	umhos/Om at 25°C	*		*	twice/year	grab
Ethylbenzene	mg/l	*		*	twice/year	grab
Xylenes (Total)	mg/l	*		*	twice/year	grab
Benzene	mg/l	*		*	twice/year	grab
Toluene	mg/l	*		*	twice/year	grab
MONITORING REPORTS SHALL BE SUBMITTED <u>BI-ANNUALLY</u> ; THE FIRST REPORT IS DUE <u>October 28, 2003</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
B. STANDARD CONDITIONS						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS					PAGE NUMBER 5 of 10	
					PERMIT NUMBER MO-0127132	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT TYPE	SAMPLE FREQUENCY
<u>Storm Water Flows****</u> (Note 1)						
Flow	MGD	*		*	twice/year at time of sampling	24 hr. estimate
Total Suspended Solids	mg/l	70		50	twice/year	grab
Chemical Oxygen Demand	mg/l	120		90	twice/year	grab
Biological Oxygen Demand	mg/l	*		*	twice/year	grab
Ammonia as N	mg/l	10.0		0.9	twice/year	grab
Total Nitrogen (Kjeldahl)	mg/l	*		*	twice/year	grab
Nitrate as N	mg/l	15.0		10.0	twice/year	grab
Total Phosphorus	mg/l	1.0		1.0	twice/year	grab
Hexane	mg/l	*		*	twice/year	grab
Aluminum	mg/l	0.75		0.75	twice/year	grab
Magnesium	mg/l	*		*	twice/year	grab
Total Petroleum Hydrocarbons	mg/l	15		10	twice/year	grab
Oil and Grease	mg/l	15		10	twice/year	grab
Settleable Solids****	ml/l/hr	1.5		1.0	twice/year	grab
pH - Units	SU	**		**	twice/year	grab
Conductivity	umhos/Om at 25°C	*		*	twice/year	grab
Ethylbenzene	mg/l	*		*	twice/year	grab
Xylenes (Total)	mg/l	*		*	twice/year	grab
Benzene	mg/l	*		*	twice/year	grab
Toluene	mg/l	*		*	twice/year	grab
Precipitation	inches	*		*	once/weekday*****	24 hr. estimate
MONITORING REPORTS SHALL BE SUBMITTED <u>BI-ANNUALLY</u> ; THE FIRST REPORT IS DUE <u>October 28, 2003</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
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IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

- * Monitoring requirement only.
- ** pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.0-9.0 pH units.
- *** A dry weather flow is a discharge created by some cause other than rainfall or snowmelt (such as pumping pits or sediment traps, truck washwaters, concrete washdown waters, or other non-storm related discharges).
- **** During rainfall events exceeding the 25-year 24 hour storm, effluent limits are waived.
- ***** Once each weekday means: Monday, Tuesday, Wednesday, Thursday and Friday, except National Holidays.

Note 1 - Twice each year, at all outfalls, flow shall be sampled and analyzed. If no flow occurs during the year for any outfall, report as "no discharge" for that outfall. See Special Conditions #5 and #6 for additional information concerning sample dates and submittal of reports.

C. SPECIAL CONDITIONS

1. The permittee is responsible for the development and implementation of a Storm Water Pollution Prevention Plan (SWPPP). The SWPPP must be prepared within 180 days and implemented within 360 days of permit issuance. The SWPPP must be kept on-site and a copy shall be sent to DNR's Water Pollution Control Program for review and approval. The permittee shall select, install, use, operate, and maintain the Best Management Practices prescribed in the SWPPP in accordance with the concepts and methods described in the following document:

Storm Water Management For Industrial Activities, Developing Pollution Prevention Plans and Best Management Activities, (Document number EPA 832-R-92-006) published by the United States Environmental Protection Agency (USEPA) in September 1992.

The SWPPP must include the following:

- (a) An assessment of all storm water discharges associated with S-S-S Incorporated operations. This must include a list of potential contaminants and an annual estimate of amounts that will be used in the described activities.
- (b) A listing of Best Management Practices (BMPs) and a narrative explaining how BMPs will be implemented to control and minimize the amount of potential contaminants that may enter storm water.
- (c) A narrative explaining how RCRA and CERCLA requirements for this type of operation are being met.
- (d) A schedule for implementing the BMPs.
- (e) The SWPPP must include a schedule for monthly site inspections and a brief written report. The inspections must include observation and evaluation of BMP effectiveness, deficiencies, and corrective measures that will be taken. Deficiencies must be corrected within seven days. Inspection reports must be kept on site with the SWPPP. These must be made available to DNR personnel upon request.
- (f) A provision for designating an individual to be responsible for environmental matters.
- (g) A provision for providing training to all personnel involved in material handling and storage, and housekeeping of maintenance and cleaning areas. Proof of training shall be submitted on request of DNR.
- (h) A provision for material or other waste materials piles to be managed to control the amount of precipitation that is allowed to infiltrate. The following Best Management Practices are suggested:
 - (1) Limit storage time of materials to prevent degradation and generation of leachate;
 - (2) Divert storm water around material piles with ditches, swales, and/or berms;
 - (3) Cover and/or enclose material piles to prevent contact with storm water by using silos, van trailers, sheds, roofs, buildings, or tarps.

C. SPECIAL CONDITIONS (continued)

2. Provide for inspection by facility staff, once a month on workdays, of any structures that function to prevent storm water pollution or to remove pollutants from storm water and of the facility in general to ensure that any Best Management Practices are continually implemented and effective.
3. **The permittee is responsible for the development of an annual summary operating report that must be submitted by October 28 of each year (notwithstanding any reporting requirements contained in the attached "Standard Conditions").** The report shall detail any unusual occurrences such as spills, tank failures or overflows, ruptured piping, fishkills, fire fighting activities, or other upsets which resulted in any loss of product. Product includes, but is not limited to fuels, paints, and deicing/anti-icing chemicals. The report shall also detail any remedial work undertaken to recover product or clean up the site. The report must also indicate if nothing unusual has occurred.
4. This permit authorizes discharges of stormwater, washwaters, and water generated by dewatering pumping from quarries to waters of the State of Missouri. This permit also authorizes the discharges to waters of the state of storm water runoff and of dry weather discharges resulting from collection and treatment of washdown waters from the concrete, glass, clay (excluding clay pits and mining operations).
5. The twice/year storm water samples shall be collected within the first 60 minutes (or as soon thereafter as practicable) of a storm event of 0.1 inches or greater, that results in a discharge, (or, if the department approves, a flow weighted composite of the entire storm event may be sampled). One sample is to be taken from October 1 through March 31 with report due by April 28 and the second sample is to be taken from April 1 through September 30 with report due by October 28. If no flow occurs during the reporting period, record as "no discharge".
6. The twice/year dry weather flow samples may be collected in any month, but must be of a discharge that actually leaves the property, or enters waters of the state, on the property. One sample is to be taken from October 1 through March 31 with report due by April 28 and the second sample is to be taken from April 1 through September 30 with report due by October 28. If no flow occurs during the reporting period, record as "no discharge".
7. Discharges shall not cause violations of the general criteria in the Water Quality Standards 10 CSR 20-7.031 (3) (A)-(H), which states, in part, that no water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
 - (a) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
 - (b) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
 - (c) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses; and
 - (c) Waters shall be free from substances or conditions in sufficient amounts to have a harmful effect on human, animal or aquatic life.
 - (e) There shall be no significant human health hazard from incidental contact with the water;
 - (f) There shall be no acute toxicity to livestock or wildlife watering;
 - (g) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
 - (h) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247

C. SPECIAL CONDITIONS (continued)

8. Permittee must provide sediment and erosion control sufficient to prevent or control pollution to the waters of the state. This could include sediment basins, if needed, to comply with effluent limits.
9. Permittee must prevent the spillage or loss of fluids, oil, grease, gasoline, etc. from vehicle and equipment maintenance and repair activities and thereby prevent the contamination of storm water from these substances. This permit does not authorize the use of soap or detergents in truck washing.

All fueling facilities present on the property shall adhere to applicable federal and state regulations concerning underground storage, above ground storage, and dispensers, including spill prevention, control and counter measures.

Collection facilities shall be provided on-site, and arrangement made for proper disposal of waste products, including but not limited to petroleum waste products, and solvents.

10. Within thirty (30) days of permit issuance; all outfalls must be clearly marked in the field. Permittee shall construct a permanent marker or monument at or near all sampling locations. These markers shall have displayed appropriate instructions that indicate where the sample is to be taken.
11. Store all paint, paint solvent, petroleum products and petroleum waste products (except fuels), and storage containers (such as drums, cans, or cartons) so that these materials are not exposed to storm water. Provide spill prevention, control, and/or management sufficient to prevent any spills of these pollutants from entering a water of the state. Any containment system used to implement this requirement shall be constructed of materials compatible with the substances contained and shall also prevent the contamination of groundwater.
12. All fueling facilities present on-site shall adhere to applicable federal and state regulations concerning underground storage, above ground storage, and dispensers, including spill prevention, control and counter measures.
13. Substances, regulated by federal law under the Resource Conservation and Recovery Act (RCRA) or the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) that are transported, stored, or used for maintenance, cleaning or repair shall be managed according to the provisions of RCRA and CERCLA.
14. Water that has accumulated in secondary containment areas must be analyzed for possible contamination. When the presence of contaminants is indicated, water shall receive the appropriate treatment before release or taken to a permitted treatment facility if it does not meet permit limits.
15. Samples collected to comply with the monitoring requirements shall be collected prior to or at the property boundary, if appropriate, or before the discharge enters waters of the state on the property.
16. If truck emptying or dumping and washing of concrete materials is done on site, provide control for pollutants resulting from the dumping of residual concrete and washdown waters in such a way as to meet the limitations of this permit. A construction permit must be obtained from the department before beginning construction of treatment structures. Concrete or untreated washdown water can not be introduced into waters of the state.
17. Records shall be kept of all pumping discharges that enter surface waters of the state. These records should estimate the volume of discharge. This can be accomplished using pumping time calculations.

C. SPECIAL CONDITIONS (continued)

18. Reporting of Effluent Violations

If any of the sampling results from any of the sampling locations show any violation of the permit discharge limitations, written notification shall be made to the Department of Natural Resources within five (5) days of notification of analytical results. Notification shall indicate the date(s) of sample collection, the analytical results, and permit number, and shall include a statement concerning the revisions or modifications in management practices that are being implemented to address the violation of the limitations that occurred.

After a violation has been reported, a sample of storm water runoff resulting from the next rainfall greater than 0.1 inches shall be collected at the location(s) for which the violation occurred. Analytical results of this sample shall be submitted in writing to the Department of Natural Resources (this paragraph superseded Part I, Section B: e. A. Noncompliance Notification).

19. Changes in Discharges of Toxic Substances

The permittee shall notify the Director as soon as it knows or has reason to believe:

- (a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in this permit, if that discharge will exceed the highest of the following "notification levels:"
 - (1) One hundred micrograms per liter (100 ug/L);
 - (2) Two hundred micrograms per liter (200 ug/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/L) for 2,5 dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
 - (3) Five (5) times the maximum concentration value reported for the pollutant in the permit application;
 - (4) The level established in Part A of the permit by the Director.
- (b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant which was not reported in the permit application.

20. This permit may be reopened and modified, or alternatively revoked and reissued, to:

- (a) Comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a) (2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
 - (1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
 - (2) controls any pollutant not limited in the permit.
- (b) Incorporate new or modified effluent limitations or other conditions, if the result of a waste load allocation study, toxicity test or other information indicates changes are necessary to assure compliance with Missouri's Water Quality Standards.
- (c) Incorporate new or modified effluent limitations or other conditions if, as the result of a watershed analysis, a Total Maximum Daily Load (TMDL) limitation is developed for the receiving waters which are currently included in Missouri's list of waters of the state not fully achieving the state's water quality standards, also called the 303(d) list.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Clean Water Act then applicable.

C. SPECIAL CONDITIONS (continued)

21. This permit does not apply to sand and gravel washing operations conducted outside the property boundary. This permit does not apply to truck washing operations that use soap or detergents. Truck washing that does not involve the use of soap or detergent is allowed as long as effluent limitations are achieved.
22. This permit does not apply to the discharge of any water other than storm, wash, and dewatering discharges.

DUTY OF COMPLIANCE

The permittee shall comply with all conditions of this permit. Any noncompliance with the permits constitutes a violation of Chapter 644, Missouri Clean Water Law, and 10 CSR 20-6.200. Noncompliance may result in enforcement action, termination of this authorization, or denial of the permittee's request for renewal.

TERMINATION OF PERMIT

If activities covered by this permit have ceased and no significant activities remain on the property, the permittee shall request termination of this permit. The permittee shall submit Form J, Termination of a State Operating Permit.